



In vivo monitoring of the corneal collagen cross-linking using supersonic shear wave imaging: feasibility study on porcine corneas

Thu-Mai Nguyen, Jean-François Aubry, David Touboul, Jeremy Bercoff,
Mickaël Tanter

► To cite this version:

Thu-Mai Nguyen, Jean-François Aubry, David Touboul, Jeremy Bercoff, Mickaël Tanter. In vivo monitoring of the corneal collagen cross-linking using supersonic shear wave imaging: feasibility study on porcine corneas. Acoustics 2012, Apr 2012, Nantes, France. hal-00810813

HAL Id: hal-00810813

<https://hal.science/hal-00810813>

Submitted on 23 Apr 2012

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.



In vivo monitoring of the corneal collagen cross-linking using supersonic shear wave imaging: feasibility study on porcine corneas

T.-M. Nguyen^a, J.-F. Aubry^a, D. Touboul^b, J. Bercoff^c and M. Tanter^a

^aInstitut Langevin Ondes et Images, 10 rue Vauquelin, ESPCI ParisTech, CNRS UMR7587,
INSERM U979, 75005 Paris, France

^bCentre Hospitalo-Universitaire de Bordeaux, Place Amélie Raba-Léon, 33000 Bordeaux,
France

^cSuperSonic Imagine, 510 Rue René Descartes, Les Jardins de la Duranne - Bât E & F, 13857
Aix-En-Provence, France
thu-mai.nguyen@espci.fr